**Algebra 1 Name:**

* 1. **Simplifying Expressions - Exponents Date:**

**Warm Up**

**Simplify each expression. You MUST circle the operation you are performing first, and you MUST show each step.**



**Challenge Yourself:** Can you figure out how to get to 28 by using the numbers 3, 6, 4 and 2? You may use any operations (addition, subtraction, multiplication, division). You may use the numbers in any order, but make sure you use each number once.

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**Remember The Big Idea:**

**… taking something \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and making it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

7 • 7 • 7 • 7 • 7 =

|  |  |
| --- | --- |
| ***Expanded Form*** | ***Exponent Form*** |
| 3 • 3 • 3 • 3 |  |
| 8 • 8 • 8 • 8 • 8 • 8 |  |
| 1 • 1 • 1 |  |
|  |  |
|  |  |

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**3 minute challenge!** Complete the table. You may use a calculator.

|  |  |  |
| --- | --- | --- |
| **Exponent Form** | **Expanded Form** | **Value** |
|  | 3 • 3 • 3 • 3 • 3 • 3 |  |
|  |  |  |
|  | 2 • 2 • 2 • 2 • 2 • 2 |  |
|  | 10 • 10 |  |
|  |  |  |
|  | 2 • 2 + 5 • 5 • 5 |  |
|  | *x* • *x* • *x* • *x* |  |
|  |  |  |

The ULTIMATE Challenge

1. ) – Expression Value: Winner:

Expression Value: Winner:

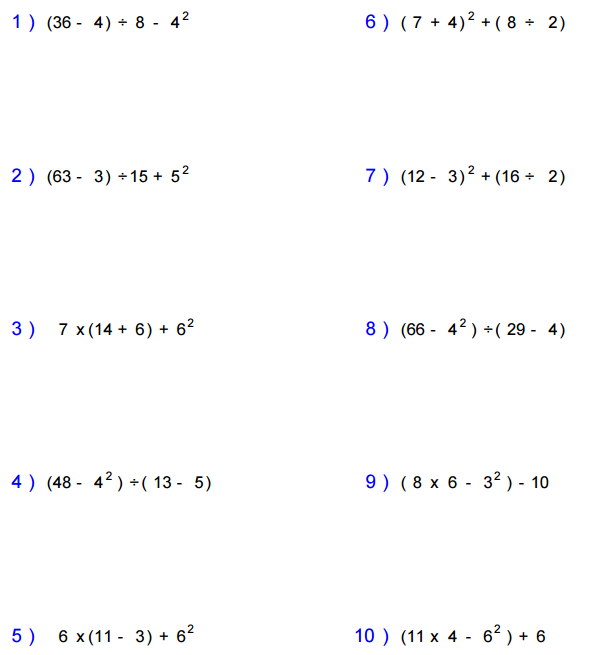
3) + Expression Value: Winner:

4) – Expression Value: Winner:

**Algebra I Name:**

* 1. **HW Simplifying Expressions - Exponents Date:**

**Would you like *medium…?***



***Or SPICY?***

